

KURZYNOWSKI, Adam

From the Section of Social Policy of the Polish Economic Society.  
Praca zabezp spol 6 no.9:32 S '64.

KURZYNOWSKI, Adam

From the Section of Social Policy of the Polish Economic Society.  
Praca zabezp spol 6 no.11:32-33 N '64.

KURZYNOWSKI, Adam

From the Social Policy Section of the Polish Economic Society.  
Praca zabezp. spol 7 no.2:20-21 ' F '65.

KURZYNOWSKI, Adam

From the Section of Social Policy of the Polish Economic Society.  
Praca zabezp spol 7 no.4:29 Ap '65.

KURZYNSKI, Mieczyslaw, inz.

Purification of blast furnace gases without use of electric power. Gosp paliw 11 no.8:282-288 '63.

1. Huta im. B. Bieruta.

KURZYNSKI, Mieczyslaw, inz.; JABLONSKI, Jozef, inz.; JODLOWSKI, Zdzislaw, inz.  
GRZYBOWSKI, Mieczyslaw, inz.; MAZURKIEWICZ, Mieczyslaw, inz.

Automatic purification of the blast-furnace gases with  
Venturi nozzle series set. Gosp paliw 11 Special issue  
no.(95):39-41 Ja '63.

1. Huta im. Bieruta.

KIRKOR, Witold, mgr inz.; KURZYNSKI, Tadeusz, mgr inz.

Technically justified standards for fuel management of the merchant fleet.  
Tech gosp morska 13 no.4:106-107 Ap '63.

1. Instytut Morski, Gdansk.

KUS, A., dr inz.

"Prefabricated prestressed concrete girders" by Z.A. Zielinski.  
Reviewed by A. Kus. Inz i bud 19 no.11:4 of cover N '62.

ZYGMUNT, K., doc. dr. inz.; MILLER, Stefan, dr. inz.; WIRBILIS, Stanislaw,  
mgr. inz.; KUS, Andrzej, mgr. inz.

Review of the technical press. Przegl mech 24 no.2:56-61 25 Ja '65.

WIRBILIS, Stanislaw, mgr inz.; KUS, Andrzej, mgr inz. KYSZEWSKI, Andrzej,  
mgr inz.

Review of the technical press. Przegl. techn. 24, no. 4, 116-121  
25 F '65.

KUS, Feliks, inz.

Diesel-electric power generating unit of 125 kVA, 380-220 V power, as a reserve source for supplying electric power to Polish Railroads power tension installations. Przegl kolej electrotechn 13 no.10: 308-311 '61.

KUS, Henryk, KAWICKI, Karol; SZEWICZAK, Eugeniusz

Studies on carcinogenesis and the usefulness of polyester  
yarn in alloplasty. Arch. immun. ther. exp. 12 no. 6:730-739  
'64.

1. Department of Plastics Research and Department of Patho-  
logical Anatomy, School of Medicine, Wroclaw.

KUS, Henryk

KUS, Henryk (Wroclaw, Trugutta 57/59)

Evaluation of intracardiac blood transfusion. Polskie arch. med. wewnetrz. 23 no.4:467-483 1953.

1. Z III Kliniki Chirurgicznej Akademii Medycznej we Wroclawiu,  
Kierownik: prof. dr Z. Jemiro.  
(BLOOD TRANSFUSION,  
\*intracardiac, in animals)

KUS, Henryk, Wroclaw, Plac Grunwaldzki 82/5

Partial exchange blood transfusion in the therapy of bleeding  
in hemophiliac. Polskie arch. med. wewn. 24 no.6:1063-1070 1954.

1. Z III kliniki chirurgicznej Akademii Medycznej we Wroclawiu  
Kierownik: prof. dr. med. Z. Jezioro

(BLOOD TRANSFUSION

exchange, partial, in ther. in hemorrh. in hemophilia)  
(HEMOPHILIA, complications

hemorrh., ther. partial exchange blood transfusion)

KUS, Henryk

Considerations on Foeldessy's operation. Polski przegl. chir. 26  
no.12:1057-1072 Dec 54.

1. Z II Kliniki Chirurgicznej Akademii Medycznej we Wroclawiu.  
Kierownik: prof. dr W.Bross.  
(PEPTIC ULCER, surgery,  
Foeldessy's operation)

KUS, Henryk

Torsion of the omentum. Polski przegl.chir.27 no.8:752-755 Aug.  
'55.

l. Z III Kliniki Chirurgicznej A.M. we Wroclawiu. Kierownik:  
prof. dr Z.Jesioro.  
(OMENTUM, diseases,  
torsion, surg.)

DRAK, Juliusz; JEZIORO, Zdzislaw; KUS, Henryk

Cicatricial structure of the esophagus after surgical treatment of peptic ulcer. Polski tygod. lek. 12 no.49:1892-1896 9 Dec 57.

1. Z III Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu; kierownik: doc. dr med. Zdzisław Jeziorek. Adres: Wrocław, ul. Traugutta nr 57/59.

(GASTRECTOMY, compl.

cicatricial stricture of esophagus after surg. of peptic ulcer (Pol))

(ESOPHAGUS, stenosis

cicatricial stricture after gastrectomy for peptic ulcer (Pol))

JEZIORO, Zdzislaw; KUS, Henryk

Case of extensive rupture of the pharynx with unusual clinical course. Otolaryngologia 9 no.4:349-354 1955.

1. Z III Kliniki Chirurgicznej A.M.wi Wrocławiu Kierownik prof. dr Z. Jezioro. Prof. Z. Jezioro, Wrocław, ul. Curie-Skłodowskiej 40. (PHARYNX, rupture, unusual course)

KUS, Henryk

Exchange transfusion as preparation of patient for surgery in  
chronic anemia. Polski tygod. lek. 10 no.36:1185-1188 5 Sept  
55.

l. Z III Kliniki Chirurgicznej A.M. we Wrocławiu; kierownik:  
doc. dr. med. Z. Jeziorka. Wrocław, ul. Grundwaldzka 82, m. 5.

(BLOOD TRANSFUSION,  
exchange, in anemia surg.)

(ANEMIA, surgery,  
exchange blood transfusion in)

KUS, Henryk; KEDRA, Henryk; PLACITY-CZYZewska, Zofia.

Methods of ascending phlebography of the lower extremity.  
Polski tygod. lek. 10 no.51:1633-1637 19 Dec 55.

1. w III Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu;  
kierownik: doc. dr. Zdzisław Jęziorek i z Kliniki Radiologicznej  
Akademii Medycznej we Wrocławiu; kierownik: doc. dr. Zbigniew  
Kubrakiewicz. Wrocław, pl. Grunwaldzki 82 m. 5.

(ANGIOGRAPHY,  
phlebography, ascending of leg (Pol))  
(LEG, blood supply,  
phlebography, ascending (Pol))

MARCINIĄKOWNA, Ewa; KRAKOWSKA-RECHNICOWA, Jadwiga; SIWINSKA, Maria;  
KUS, Henryk; KAWECKI, Karol

Secondary deficiency of antihemophilia globulin B in gastric cancer with metastases and thrombopenia. Pat. polska 7 no.2: 147-157 Apr-June 56.

1. Z Zakladu Patologii Ogolnej i Doswiadczałnej A.M. we Wrocławiu  
Kierownik: prof. dr. H. Kowarzyk. Z III Kliniki Chirurgicznej A.M.  
we Wrocławiu Kierownik: doc. dr. Z. Jezioro. Z Zakładu Anatomii  
Patologicznej A.M. we Wrocławiu, Kierownik: prof. dr. Z. Albert,  
Adres autora: Wrocław, Zakł. Pat., Marcinkowskiego 1.  
(HEMORRHAGIC DIATHESIS, complications,  
secondary antihemophilic globulin defic. in gastric cancer  
with metastases & thrombopenia (Pol))  
(STOMACH NEOPLASMS, complications  
same)  
(BLOOD PLATELETS,  
thrombopenia with antihemophilic globulin defic. &  
gastric cancer with metastases (Pol))

JEZIORO, Zdzislaw; KUS, Henryk; KEDRA, Henryk; ZIMMER, Zenow

Phlebography of the lower extremities in postphlebitic syndrome.  
Polski przegl. chir. 28 no.8:709-711 Aug 56.

1. Z III Kliniki Chirurgicznej A.M. we Wroclawiu. Kierownik:  
doc. dr. Z. Jeziorek, Wroclaw, ul. Grunwaldzka 82 m. 5.  
(ANGIOGRAPHY,  
leg phlebography in postphlebitic synd. (Pol))  
(PHLEBITIS,  
postphlebitic synd., leg phlebography in (Pol))

JEZIORD, Zdzislaw; KUS, Henryk

Retroperitoneal calcified cyst. Polski przegl. chir. 28 no.10:  
1069-1071 Oct 56.

l. Z III Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu  
Kierownik: doc. dr. Z. Jezioro, Adresy autorów: 1. Wrocław, ul.  
Curie-Skłodowskiej 40/6. 2. Wrocław, Pl. Grunwaldzki 32.  
(ABDOMEN, cysts,  
retroperitoneal calcified (Pol))

KUS, Henryk; KEDRA, Henryk

Intravenous and intra-arterial blood transfusion in post-transfusion shock. Polski tygod. lek. 12 no.3:81-85 14 Jan 57.

1. (Z III Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu; kierownik: doc. dr. Zdzisław Jeziorko i z Zakładu Farmakologii Akademii Medycznej we Wrocławiu; kierownik: prof. dr. Józef Hanuś).  
Adres: Wrocław, pl. Grunwaldzki 82/5.

(BLOOD TRANSFUSION, exper.

intra-arterial & intravenous, in post-transfusion shock  
in dogs (Pol))

(SHOCK, exper.

post-transfusion, eff. of intra-arterial & intravenous  
transfusions in dogs (Pol))

KUS, HENRYK

JEZIORO, Zdzislaw; KUS, Henryk

Translocation of ovary, oviduct and horn of uterus bicornis through inguinal canal to labium majus pudendi. Gin. polska 28 no.3:287-291 May-June 57.

1. Z III Kliniki Chirurgicznej A.M. we Wrocławiu Kierownik: doc. dr. med. Z. Jeziorka. Adres: III Klinika Chirurgiczna A.M. - Wrocław, ul. Traugutta 57/59.  
(UTERUS, abnorm.

uterus bicornis, inguinal translocation with fallopian tube & ovary to labium majus pudendi (Pol))  
(OVARIES, abnorm.

inguinal translocation with fallopian tube & uterus bicornis to labium majus pudendi (Pol))  
(FALLOPIAN TUBES, abnorm.

inguinal translocation with ovary & uterus bicornis to labium majus pudendi (Pol))

JEZIORO, Zdzislaw; KUS, Henryk

Retrosternal transplantation of the small intestine in formation of the esophagus. Polski przegl. chir. 29 no.4:301-323 Apr 57.

1. Z III Kliniki Chirurgicznej A. M. we Wrocławiu Kierownik: doc. dr med. Z. Jeziorek. Adres autorów: Wrocław 1, ul. Curie-Sklodowskiej 40, m. 8. 2. Plac Grunwaldzki 82, m. 5.

(ESOPHAGUS, surgery,

plastic repair with small intestine implants, retrosternal technic (Pol))

(INTESTINE, SMALL, transplantation,  
esophagus, plastic repair, retrosternal technic (Pol))

KUS, Henryk  
JEZIORO, Zdzislaw; KUS, Henryk

Case of torsion of the whole large omentum. Polski przegl. chir.  
29 no.5:487-490 May 57.

1. Z III. Kliniki Chirurgicznej A. M. we Wrocławiu Kierownik: doc. dr  
Zdzislaw Jeziorko Praca wpłynęła dnia 21-11-1956. Wrocław, ul. Traugutta  
57/59.

(OMENTOM, diseases,  
torsion, case report (Pol))

*Hos, A.*

ZAGAISKI, Josef; KUS, Henryk

Popliteal cysts. Chir narz. ruchu 13 no.2:147-152 1958.

1. Z III Kliniki Chirurgicznej A. M. we Wrocławiu Kierownik: doc. dr  
Z. Jeziore. Wrocław ul. Traugutta 57/59 III Klinika Chirurgiczna A. M.  
(KNEE, cysts  
popliteal cysts, surg. (Pol))

JEZIORO, Zdzislaw; KUS, Henryk

Anastomosis of the gastric stump with the duodenum by means of an insertion from the jejunum. Polski przegl. chir. 30 no.6:657-661 June 58.

1. Z III Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu Kierownik: doc. dr Z. Jeziorka. Adres autora: Wrocław, ul. Traugutta 57/59, III Klinika Chirurgiczna A.M.

(GASTRECTOMY

partial resection, anastomosis of gastric stump with duodenum by jejunal insertion (Pol))

(DUODENUM, surg.

anastomosis of duodenum with gastric stump by jejunal insertion following, partial gastrectomy (Pol))

(JEJUNUM, transplantation

jejunal insertion for anastomosis of duodenum with gastric stump following partial gastrectomy (Pol))

KUS, Henryk (Wroclaw, Plac Grunwaldzki 82 m. 5.)

Current attempts to form artificial esophagi from plastics & tissue transplants. Polski przegl. chir. 30 no.10:1021-1025 Oct 58.  
(ESOPHAGUS, surg.)

artif. esophagi from plastics & tissue transplants,  
review (Pol))

(PLASTICS

in form. of artif. esophagi, review (Pol))

(TRANSPLANTATION  
same)

KUS, Henryk

Free transplantation of the intestine. Polski tygod. lek. 15  
no. 34:1318-1321 22 Ag '60.

1. Z III Kliniki Chirurgicznej A.M. we Wroclawiu; kierownik: doc.  
dr Z. Jerioro.  
(INTESTINES transpl.)

BORON, Zdzislaw; DRAK, Juliusz; KUS, Henryk

Partial and total diaphragmatic relaxation with special reference to differential diagnosis. Polski tygod.lek. 15 no.41:1566-1570 10 O '60.

1. Z III Kliniki Chirurgicznej A.M.; kierownik: doc.dr med. Z.Jezioro i z Kliniki Radiologicznej A.M. we Wrocławiu; kierownik: doc.dr med. Z.Kubrakiewicz.  
(DIAPHRAGM dis.)

KUS, H.

Free transplantation of auto-and homogenous sections of intestine  
(an experimental study). Acta chir. plast. 3 no.3:229-237 '61.

1. III Chirurgische Klinik der Medizinischen Akademie, Wroclaw (Polen)  
Direktor: Prof. Dr. med. Z. Jeziorko.  
(INTESTINES transpl.)

KUS, Henryk

Injuries of extremities associated with injuries of large blood vessels. Polski tygod. lek. 16 no.46:1774-1778 13 N '61.

1. Z III Kliniki Chirurgicznej A.M. we Wroclawiu.  
(EXTREMITIES wds & inj) (BLOOD VESSELS wds & inj)

KUS, Henryk

On a radiological method in the study of mesenteric vessels in anatomical preparations. Polski przegl.radiol. 25 no.3:451-458 My.Je '61.

1. Z III Kliniki Chirurgicznej AM we Wroclawiu Kierownik: doc. dr med. Z. Jeziorko.

(MESENTERIC VESSELS radiog) (ANGIOGRAPHY)

KUS, Henryk

Gastric and esophageal burns caused by corrosive poisons. Polskie  
arch. med. wewn. 31 no.4:519-534 '61.

1. Z III Kliniki Chirurgicznej A. M. we Wroclawiu Kierownik:  
prof. dr med. Z. Jeziore.

(ESOPHAGEAL STENOSIS surg) (STOMACH wds & inj)  
(CAUSTICS toxicol)

KUS, Henryk

Considerations on Talma's procedure (with a description of our modification of the implanation of the omentum into the anterior mediastinum -- mediastinal omentopexy). Polski przegl. chir. 33 no.2:145-151 '61.

1. Z III Kliniki Chirurgicznej AM we Wroclawiu Kierownik: prof. dr Z. Jesioro.

(OMENTUM surg)

KUS, Henryk

Free transplantation of intestinal fragments with artificial vascular anastomoses. Postepy hig. med. dosw. 16 no.2:247-298 '62.

l. z III Kliniki Chirurgicznej AM we Wroclawiu Kierownik: prof. dr Z. Jeziorko.

(INTESTINES transpl)

POLAND

Henryk KUS and Eugeniusz SZEWCOZAK, Third Surgical Clinic of Medical College (III Klinika Chirurgiczna AM/Akademii Medycznej), Head (Kierownik) Prof. Dr. Z. JEZIORO, Wrocław.

"Prototypes of Vascular Prostheses Made in Poland."

Warsaw, Postępy Higieny i Medycyny Doswiadczonej, Vol. 16, No. 5, Sept-Oct 1962; pp 861-875.

**Abstract:** Description of studies in 17 dogs using tubes made from polyesters manufactured by the Centralny Laboratorium Przemysłu Obrębiarskiego in Łódź to replace small sections of abdominal, and in 4 dogs of ascending aorta. Detailed description of operative procedure, clinical course, findings at necropsy. Generally gratifying results. Eleven photographs, 8 diagrams, rentgenogram; 21 Eastern, mostly Polish, and 34 Western references.

KUS, Henryk

A technic for joining small vessels. Pol. tyg. lek. 17 no. 15:547-551  
9 Ap '62.

1. Z III Kliniki Chirurgicznej AM we Wroclawiu, kierownik Kliniki:  
prof. dr Z. Jezioro.

(BLOOD VESSELS surg)

KUS, Henryk; SZEWCZAK, Eugeniusz; BARAN, Roman

Use of a vascular prosthesis produced in Poland in a case of injury of large vessels of the upper extremity. Pol. tyg. lek. 17 no.31: 1229-1231 30 Jl '62.

1. Z III Kliniki Chirurgicznej AM we Wrocławiu; kierownik: prof. dr med. Zdzisław Jezioro i z Oddziału Chirurgicznego Szpitala Miejskiego w Brzegu; ordynator: lek. med. Roman Baran.  
(BLOOD VESSEL PROTHESIS) (ARM INJURIES)

KUS, Henryk

Reanimation of extensively damaged upper extremities. Chir. narz.  
ruchu ortop. polska 27 no.2:129-135 '62.

l. z III Kliniki Chirurgicznej AM we Wrocławiu Kierownik: prof. Z. Jozioro.  
(ARM wds & inj)

KUS, Henryk; SZEWCZAK, Eugeniusz; SOLTYS, Wieslaw; SAPOTA, Jan

High fracture of the tibia and fibula complicated by acute  
ischemia of the leg. Chir. narzad. ruchu ortop. pol. 28  
no. 5:513-517 '63.

1. Z III Kliniki Chirurgicznej AM we Wrocławiu. Kierownik:  
prof. dr. Z.Jezioro.

\*

KUS, Henryk; SZEWCZAK, Eugeniusz; KORNASZEWSKI, Waclaw.

On traumatic arteriovenous fistulae. (Notes on the management of injuries of large vessels). Chir. narzad.ruchu ortop. pol. 28 no.6:585-591 '63.

1. Z III Kliniki Chirurgicznej AM we Wrocławiu (kierownik: prof. dr. Z.Jezioro) i z Kliniki Nefrologicznej AM we Wrocławiu (kierownik: prof.dr.Z.Wiktor).

KUS, Henryk; SZEWCZAK, Eugeniusz; GOSK, Adam

Prolonged hiccup in Klippel-Feil disease. Neurol. neurochir.  
psychiat. pol. 13 no.2:221-224 '63.

l. Z III Kliniki Chirurgicznej AM we Wroclawiu Kierownik:  
prof. dr med. Z. Jezioro.  
(KLIPPEL-FEIL SYNDROME) (HICCUP)

BORON, Zdzislaw; KUS, Henryk

On calcification of the walls of the gallbladder. Pol. przegl.  
radiol. 27 no.1:71-79 '63.

1. Z III Kliniki Chirurgicznej AM we Wrocławiu Kierownik:  
prof. dr med. Z. Jeziorko i z Kliniki Radiologicznej AM we  
Wrocławiu Kierownik: doc. dr med. Z. Kubrakiewicz.  
(GALLBLADDER DISEASES) (CALCIFICATION)  
(CHOLECYSTOGRAPHY)

BORON, Zdzislaw; KUS, Henryk; MILEWICZ, MILEWICZ, Zygmunt

Limy bile in the gallbladder. Polski przegl. chir. 35 no.2:  
119-126 '63.

1. Z III Kliniki Chirurgicznej AM we Wrocławiu Kierownik:  
prof. dr Z. Jezioro i z Kliniki Radiologicznej AM we  
Wrocławiu Kierownik: doc. dr Z. Kubrakiewicz.  
(BILE) (CALCIUM) (CARBONATES)

KUS, Henryk; SZEWCZAK, Eugeniusz; KEDRA, Henryk

Repair of a subcutaneous defect of the abdominal wall with  
polyester yarm. Polski przegl. chir. 35 no.6:607-609 '63.

1. z III Kliniki Chirurgicznej AM we Wroclawiu Kierownik:  
prof. dr Z. Jezioro.  
(VENTRAL HERNIA) (SURGICAL MESH) (POLYMERS)

KUS, Henryk; SZEWCZAK, Eugeniusz

Prototypes of vascular prostheses of domestic production.  
Pol. przegl. chir. 35 no.10/11:1103-1104 '63.

1. z III Kliniki Chirurgicznej AM we Wrocławiu Kierownik:  
prof. dr Z. Jeziorko.  
(BLOOD VESSEL PROSTHESIS) (AORTA)

KUS, Henryk; SZEWCZAK, Eugeniusz

Modification of vascular prostheses. Pol. przegl. chir. 35  
no.10/11:1108-1111 '63.

1. Z III Kliniki Chirurgicznej AM we Wrocławiu Kierownik:  
prof. dr Z. Jezioro.  
(BLOOD VESSEL PROSTHESIS) (AORTA)

KAWECKI, Karol; KUS, Henryk; SZEWCZYK, Eugeniusz

A polyester fabric as a graft material. Pol. przegl. chir.  
35 no.10/11:1121-1122 '63.

1. Z III Kliniki Chirurgicznej AM we Wrocławiu Kierownik:  
prof. dr Z. Jeziorko i z Zakładu Anatomii Patologicznej AM  
we Wrocławiu Kierownik: prof. dr Z. Albert.  
(BLOOD VESSEL PROSTHESIS) (POLYMERS)

KUS, Henryk

Venous grafts reinforced with porous polyester. Pol. tyg.  
lek. 19 no.19t704-706 4 My '64.

1. Z Zakladu Badan Tworzyw Sztucznych i z I Kliniki Chirurgicznej  
Akademii Medycznej we Wrocławiu (kierownik: prof. dr K. Czyzowski).

BRZEMAT, Mieczyslaw; KUS, Henryk; SAIETKA, Adam

A benign form of duodeno-colic fistulae. Pol. przegl. radiol.  
28 no.2:149-153 Mr-Ap '64.

J. Z. I. Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu  
(Kierownik: prof. dr. med. Z. Jezioro) i Kliniki Radiologicznej  
Akademii Medycznej we Wrocławiu (Kierownik: doc. dr. med. T.  
Kułakiewicz).

KUS, Henryk

Primary and secondary plastic procedures in extensive and combined  
injuries of extremities. Pol. tyg. lek. 19 no.41:1569-1571.  
12 0 '64

1. Z III Kliniki Chirurgicznej Akademii Medycznej we Wroclawiu  
(Kierownika prof. dr. med. Z. Jezioro).

KUS, Henryk; SZEMCZAK, Eugeniusz; KORNASZEWSKI, Wacław; OSTOWSKI,  
Bronisław

Traumatic arteriovenous fistula of the lower extremity of long  
duration. Pol. przegl. chir. 36 no.11:333-338 N '64

l. Z III Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu  
(Kierownik: prof. dr. Z. Jezierski) i z Kliniki Nefrologicznej  
Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. Z. Wiktor).

KUS, Henryk; ADAMCZAK, Jerzy; SZEWCAK, Eugeniusz; SAŁKRA, Adam

Genuine congenital giant duodenum (megaduodenum verum con-  
gonitum). Pol. przegl. radiol. 29 no.2:169-176 Mr-Łp '65

1. Z III Kliniki Chirurgicznej Akademii we Wrocławiu (Kie-  
rownik: prof. dr. Z. Jezioro) i Kliniki Radiologicznej Aka-  
demii Medycznej we Wrocławiu (Kierownik: doc. dr. Z. Kubra-  
kiewicz).

KUS, Henryk

Anatomic principles of our method of mobilizing the ileum and  
ascending colon to produce artificial esophagus. Folia morph.  
(Warsz.) 24 no.3:289-297 '65.

1. Z I Kliniki Chirurgicznej AM we Wroclawiu (Kierownik: prof.  
dr. K. Czyzewski).

KAWIECKI, Karol; KUS, Henryk; SZEWICZAK, Eugeniusz

Metachronic malignant tumors. Pol. przegl. chir. 37 no.7:  
720-721 Jl '65.

1. Z III Kliniki Chirurgicznej AM we Wrocławiu (Kierownik:  
prof. dr. Z. Jeziorko) i z Zakładu Anatomii Patologicznej  
AM we Wrocławiu (Kierownik: prof. dr. Z. Albert).

KUS, J.

Stopping accidents at work, p. 30. (ROLNIK SPOLDZIELCA, Warszawa, Vol. 7, no. 21, Nov. 1954.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jan. 1955, Uncr.

KUS, J.

KUS, J. Unnecessary comments. p. 7.

Vol. 8, No. 48, Nov. 1955

ROLNIK SPOLDZIELCA

AGRICULTURE

Warszawa, Poland

So: East European Accession, Vol. 5, No. 5, May 1956

KUS, J.

KUS, J. "Cemetery Committee" buries the village cooperative. p. 7.

Vol. 8, No. 49, Dec. 1955

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AGRICULTURE

Warszawa, Poland

So: East European Accession, Vol. 5, No. 5, May 1956

KUS, J.

KUS, J. Work should not be evaluated on the basis of the fulfillment of the plans alone. p. 3.

Vol. 9, no. 20, May 1956  
ROLNIK SPOLDZIELCA  
ACRICULTURE  
Poland

So: East European Accession, Vol. 6, No. 5, May 1957

SOKOŁOWSKA-PITUCHOWA, J.; KOWALCZYKOWA, J.; KUS, J.; PIOTROWICZI, J.  
SAWICKI, B.

Teratogenic effect of malachite green in experimental animals.  
Preliminary report. Pol. biol. (Krakow) 13 no.3:311-315 '65.

1. Department of Descriptive and Topographical Anatomy, Medical  
Academy, Krakow and Department of Pathological Anatomy, Medical  
Academy, Krakow.

KUS, Jan

Developmental disorders in the region of main trunks of the aortic arch and of the base of the brain. Fol. morph., Warsz. 5 no.3: 191-201 1954.

1. Z Zakladu Anatomii Opisowej i Topograficznej Akademii Medycznej w Krakowie. Kierownik: prof. dr T. Rogalski.

- (ARTERIES, CAROTID, abnormalities,  
circle of Willis, with aortic abnorm., autopsy)
- (AORTA, abnormalities,  
with circle of Willis abnorm., autopsy)
- (ABNORMALITIES,  
carotid artery & circle of Willis, autopsy)

EXCERPTA Y DICA Sec 14 Vol.10/12 Radiology Dec 56

2120. KUS J. and MACZKA-PATKANIOWSKA Z. *Zakt. Anat. Opisowej i Topograf.*  
A.M., Kraków, "Arteriografia nerek prawidłowej i chorobowo zmienionej.  
Arteriography of the normal and pathological kidney  
FOLIA MORPH. (Warszawa) 1955, 6/4 (259-264) Illus. 20

The vascularization of kidneys was studied by comparing the radiology and the anatomical pictures. The material (75 kidneys from operations and from sections) was injected by a mass giving a contrast in X-rays and suitable for anatomical research. The injection was introduced by the renal artery. The types of the renal artery division in the renal sinus were classified. The arched course of the so-called arched arteries was found an exceptional case as both the X-rays and the anatomical pictures show. The thinnest arteries interpreted in the radiogram were found the *a. corticales radiatae*. In some kidneys, soon after the injection had been effected, the mass appeared in the renal vein and the *v. stellatae* became visible, as a result of the penetration through the arterio-venous anastomoses. Arteriograms of the pathological kidneys were analysed by the radiology method, considering the anatomo-pathological diagnoses.

(IX, 14)

BOCHENEK, Zbigniew; KUS, Jan

Case of congenital hearing impairment with retinitis pigmentosa & mental deficiency. Otolaryngol. polska 12 no.2:181-186 1958.

1. Z Kliniki Otolaryngologicznej A. M. w Warszawie Kierownik: prof. dr med. J. Szymański.

(MENTAL DEFICIENCY, case reports

with congen. hearing disord. & retinitis pigmentosa, hered. aspects (Pol))

(HEARING DISORDERS, in inf. & child

congen., with ment. defic. & retinitis pigmentosa, hered. aspects (Pol))

(RETINITIS PIGMENTOSA, case reports

with congen. hearing disord. & ment. defic., hered. aspects (Pol))

DOLEZAL, Stanislaw; KUS, Jan

Branching of gastric arteries. Polski przegl. chir. 31 no.6:681-684  
June 59.

1. Z I Kliniki Chirurgicznej A. M. w Krakowie Kierownik: prof. dr  
J. Bogusz z Zakladu Anatomii Opisowej i Topograficznej A. M. w  
Krakowie p.o. Kierownika: adiunkt J. Kus.  
(STOMACH, blood supply)

BYSTRZANOWSKA, Teofila; KUS, Jan; OSUCH, Tadeusz; WOJNAROWSKA, Wanda

Effect of certain infectious diseases on the auditory system.  
Otolar.polska 14 no.3:329-334 '60.

1. Z Kliniki Laryngologicznej A.M. w Warszawie, Kierownik: prof.  
dr med. J.Szymanski; Z II Kliniki Chorob Zakaznych A.M. w  
Warszawie, Kierowniki: prof. dr med. B.Kassur i z Zakladu Laryn-  
gologii S.D.L., Kierownik: doc. dr med. T.Bystrzanowska.  
(COMMUNICABLE DISEASES compl)  
(DEAFNESS etiol)

BYSTRZANOWSKA, Teofila; KUS, Jan; OSUCH, Tadeusz; WOJNAROWSKA, Wanda

Examination of the organs of hearing and equilibrium in acute  
bacillary dysentery. Przegl.epidem. 14 no.3:367-371 '60.

1. Z II Kliniki Chorob Zakaznych A.M. w Warszawie. Kier.: prof. dr  
med. B.Kassur. Z Kliniki Laryngologicznej A.M. w Warszawie. Kier.:  
prof. dr med. J.Szymanski. Z Zakladu Laryngologii S.D.L. w  
Warszawie, Kier.: doc. dr med. T.Bystrzanowska  
(DYSENTERY BACILLARY physiol)  
(HEARING TESTS)

BYSTRZANOWSKA, T.; KUS, J.; OSUCH, T.; WOJNAROWSKA, W.

On the effect of certain infectious diseases on the organ of  
hearing. *Otolaryngologia Polska* 14 no. 4:443-454 '60.

(COMMUNICABLE DISEASES compl)  
(DEAFNESS etiolog)

KUS, Jan; CZECH, Boleslaw [deceased]; DOLEZAL, Stanislaw

Ramifications of the veins of the stomach. Folia morphol  
22 no. 2:153-160 '63.

1. Zaklad Anatomii Opisowej i Topograficznej, Akademia  
Medyczna, Krakow. Kierownik: doc. med. J. Sokolowska-  
Pituchowa.

OSWALDO-RUSINOWA, Aldona; JANCZEWSKI, Grzegorz; KUS, Jar

Hearing disorders in chronic brucellosis. Przegl. epidemiol.  
19 no.1:49-55 '65

1. Z II Kliniki Chorob Zakaznych Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. B. Kassur) i z Kliniki Otolaryngologii Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. J. Szymanski).

L 33541-66

ACC NR: AP6023478

SOURCE CODE: CZ/0026/66/011/001/0010/0025

AUTHOR: Mayer, Daniel (Docent; Engineer; Candidate of sciences; Plzen); Korinek,<sup>1/1</sup>  
Stanislav Korzhinek, S. (Engineer; Plzen); Kus, Josef--Kus, I. (Engineer; Plzen) <sup>B</sup>ORG: Technical Institute of Machinery and Electrical Engineering, Plzen (Vysoka  
skola strojní a elektrotechnická)

TITLE: Partial analysis of electrical circuits by computer

SOURCE: Aplikace matematiky, v. 11, no. 1, 1966, 10-25

TOPIC TAGS: algorithm, computer application, circuit design, digital computer,  
computer storageABSTRACT: The article describes the algorithm of a partial analysis of an electric  
circuit with a digital computer, through which currents and voltages can be determined  
in some branches only. This method is valuable in particular for the solution of  
compound circuits where the computer storage is quite insufficient for a complete  
analysis or when the complete analysis meets some difficulties and its execution  
would be too slow. By re-executing the partial analysis, all branch currents and  
voltages of the circuit can be determined. Orig. art. has: 1 figure, 35 formulas  
and 3 tables. [Based on authors' Eng. abst.] <sup>[JPRS]</sup>

SUB CODE: 09 / SUBM DATE: 15Dec64 / ORIG REF: 002

Card 1/1 90

0915

1438

MAYER, D., doc., inz., CSc.; KUS, J., inz.; NOVACEK, J., inz.

Suggestion for construction of an electric chuck plate.  
Strojirenstvi 13 no.9:710-712 S '63.

1. Katedra teoreticke elektrotechniky, Vysoka skola strojni a  
elektrotechnicka, Plzen.

KUS, Josef, inz.

Capacitance measurement by the Avomet II. Sdel tech 10 no.12:466-  
467 D '62.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927820005-8

2/11

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927820005-8"

KUS, L.

Coating wire and rod with a phosphorated compound before cold-drawing  
and the importance of phosphorated coating in wire production.

p. 318  
Vol. 22, no. 9, Sept. 1955  
HUTNIK  
Katowice

SO: Monthly List of East European Accessions (EEAL), Lc, Vol. 5, no. 2  
Feb. 1956

4446

021.018 ; 021.794.64

Rus. L. Phosphating of Wires and Rods before Cold Drawing, and Its Importance to the Industry.

"Fosforowanie drutów i prętów przed ciągnieniem na zimno oraz jego znaczenie dla przemysłu ciągnarskiego". Hutań. No. 9, 1955, pp. 318-324, 5 figs., 6 tabs.

Survey and characteristics of coatings used to facilitate the wire and rod drawing process. Outline of the theory of phosphating, and discussion of the procedures of steel surface preparation before the phosphating operations. Description of drawing trials of phosphated and non-phosphated wires (from 5.5 to 0.58 mm.) and rods of trapezoidal form (10 X 13 X 22 mm.). Conclusions: 1) phosphating makes possible the diminution of interoperational and heat treatment functions e.g. phosphated wire can be reduced from 5.5 to 0.58 mm (93 per cent reduction) without annealing — non-phosphated wire needs one inter-operational annealing; 2) phosphated wires require from 6 to 10 per cent less drawing force than non-phosphated wires; 3) phosphate coatings improve the structure of drawn wires and rods; 4) the application of phosphate coatings makes possible an increase in drawing speeds and in the total reduction.

18(5)

POL/43-2-5/27

AUTHOR: Kus, Leslaw, Engineer

TITLE: The Removal of Surface Defects of Hot Rolling Bars by Cold Drawing

PERIODICAL: Wiadomosci hutnicze, 1959, Nr 2, pp 55-58 (Poland)

ABSTRACT: For the production of hot rolling bars the following ordinary steel-qualities with an addition of carbon, are used (according to PN/H-84020): 1) St 1, St 2, MSt 1X, MSt 2X. The hardness of which should not exceed 197 HB; 2) St 37, St 3, MSt 3, MSt 3X ---hardness ---- 197 HB; 3) St 4, MSt 4X ---hardness --- 207 HB; 4) St 5, MSt 5 ---hardness ----227HB; 5) St 6, MSt 6 ---- hardness ----241 HB. The following defects may appear on hot rolled bars, which are intended for cold drawing: 1) dents and protuberances, photograph Nr 1; 2) elongated cracks, photograph Nr 2; 3)wrinkle cracks, photograph Nr 3; 4) shrinkage, photograph Nr 4, 5) scales photograph Nr 5; 6) splittings, photograph Nr 6. The depth of the cracks before and after drawing the bars is also described. There are 6 photographs, *✓*

Card 1/8

18(5)

POL/43-2-5/27

AUTHOR: Kus, Leslaw, Engineer

TITLE: The Removal of Surface Defects of Hot Rolling Bars by Cold Drawing

PERIODICAL: Wiadomosci hutnicze, 1959, Nr 2, pp 55-58 (Poland)

ABSTRACT: For the production of hot rolling bars the following ordinary steel-qualities with an addition of carbon, are used (according to PN/H-84020): 1) St 1, St 2, MSt 1X, MSt 2X. The hardness of which should not exceed 197 HB; 2) St 37, St 3, MSt 3, MSt 3X ---hardness ---- 197 HB; 3) St 4, MSt 4X ---hardness --- 207 HB; 4) St 5, MSt 5 ---hardness ----227HB; 5) St 6, MSt 6 ---- hardness ----241 HB. The following defects may appear on hot rolled bars, which are intended for cold drawing: 1) dents and protuberances, photograph Nr 1; 2) elongated cracks, photograph Nr 2; 3)wrinkle cracks, photograph Nr 3; 4) shrinkage, photograph Nr 4, 5) scales photograph Nr 5; 6) splittings, photograph Nr 6. The depth of the cracks before and after drawing the bars is also described. There are 6 photographs,

Card 1/2

POL/43-2-5/27

The Removal of Surface Defects of hot Rolling Bars by Cold Drawing  
and 6 tables

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Card 2/2

KUS, Leslaw, mgr inz.

Clearing surface defects of hot rolled bars by cold-drawing.  
Wiad hut 15 no.2:55-58 F '99.

18(5)  
AUTHOR:

Kus, Leslaw, Engineer

POL/43-2-5/27

TITLE:

The Removal of Surface Defects of Hot Rolling Bars by  
Cold Drawing

PERIODICAL: Wiadomosci hutnicze, 1959, Nr 2, pp 55-58 (Poland)

ABSTRACT:

For the production of hot rolling bars the following ordinary steel-qualities with an addition of carbon, are used (according to PN/H-84020): 1) St 1, St 2, MSt 1X, MSt 2X. The hardness of which should not exceed 197 HB; 2) St 37, St 3, MSt 3, MSt 3X ----hardness ---- 197 HB; 3) St 4, MSt 4X ----hardness --- 207 HB; 4) St 5, MSt 5 ----hardness ----227HB; 5) St 6, MSt 6 ----hardness ----241 HB. The following defects may appear on hot rolled bars, which are intended for cold drawing: 1) dents and protuberances, photograph Nr 1; 2) elongated cracks, photograph Nr 2; 3)wrinkle cracks, photograph Nr 3; 4) shrinkage, photograph Nr 4, 5) scales photograph Nr 5; 6) splittings, photograph Nr 6. The depth of the cracks before and after drawing the bars is also described. There are 6 photographs,

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POL/43-2-5/27

The Removal of Surface Defects of hot Rolling Bars by Cold Drawing  
and 6 tables

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Card 2/2

KUS, L.

Lubricants and lubricating compounds for wire, bar, and tube drawing operations. p. 618

MECHANIK Warszawa, Poland Vol. 32, no. 10, October 1959

Monthly List of East European Accessions (EEAI) LC, Vol 9, no. 2,  
Feb. 1960  
Uncl.

KUS, LESZEK

4

1310. *Phosphating of Wires and Bars Before Drawing, and Its Importance for the Wire Drawing Industry. Pod-  
stawnie odręw i pretów przed ciągnięciem na długie.  
Przeciw jci złączeniu dla przemysłu ciągnarki.* (Polish)  
Latak Kst. Hurnik, v. 22, no. 9, Sept. 1935, p. 315-324.  
Preparation of surfaces for coating by degreasing, pickling, or  
mechanical cleaning. Phosphate coating facilitates drawing,  
protects against corrosion, or serves to insulate at low voltages.  
Chemical composition of phosphate preparations. Techniques  
graph. Y ref.

HP  
P.D. 2007

P/039/61/000/003/002/002  
A221/A126

AUTHORS: Kieszniewski, Jan, Master, Kuś, Lesław, Siewierski, Jerzy, and Wusatowski, Roman, Masters of Engineering

TITLE: Radio-isotopic investigation of drawing die attrition, depending on lubrication and drawing rate

PERIODICAL: Hutnik, no. 3, 1961, 91 - 106

TEXT: In this report the authors describe their investigations, made to establish optimum conditions at which the attrition of drawing dies can be reduced and also to establish the best combination of base coating material and lubricants applied at wire drawing. To measure the attrition of drawing dies, they used irradiated holes through which the wire was drawn. Samples of drawn wire were subsequently examined for their radioactivity, caused by a number of radioactive particles torn off the die hole and adhering to the wire. Test drawing was carried out at 1.5, 2.0 and 2.5 m/sec rate, using 5.5 mm thick wire rods in 5 mm drawing die, 4.1 mm wire rod in 3.5 mm drawing die and 2.3 mm wire rod in 2 mm drawing die. Chemical composition of wire rods used for these experiments was the

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P/039/61/000/003/002/002  
 Radio-isotopic investigation of drawing die attrition... A221/A126

following:

Type of steel	Alloying constituents %					
	C	Mn	Si	P	S	Ni
Low carbon steel	0.08	0.27	0.06	0.021	0.031	0.02
D45A	0.46	0.52	0.17	0.035	0.023	0.02
D85A	0.86	0.55	0.18	0.022	0.021	0.12

For each variant of experiments, 3 coils of about 600 m of wire each were used. For establishing the degree of radioactivity of the drawn wire, 1.3 m long sample pieces were cut out from it, at the beginning at every 4.5 m, then at every 20 m and finally at every 30 m. From these 1.3 m long samples, shorter pieces were cut out and placed in 43 x 45 mm aluminum frames to be examined for radioactivity by 2 Geiger-Müller counters simultaneously, from the top and from the bottom. The attrition of the drawhole equals about 0.08 g/ton of the drawn wire and, therefore, for a 5 mm wire it will be  $1.2 \times 10^{-5}$  g/m; assuming that the shortest piece of a sample is 0.2 m, the attrition of the drawhole along this piece will be  $2.4 \times 10^{-6}$  g. Therefore the maximum specific radioactivity of drawhole would be

$$s = \frac{3 \times 10^{-4}}{2.2 \times 10^{-6} \text{ g}} \approx 120 \mu\text{C/g}; \text{ similarly, the radioactivity of the largest draw-}$$

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P/039/61/000/003/002/002

Radio-isotopic investigation of drawing die attrition... A221/A126

hole weighing 196 g, would be  $S = 120 \mu\text{C/g} \times 196 \text{ g} = 23,000 \mu\text{C} = 23.5 \text{ mC}$ . Apart from measuring the attrition of drawholes, samples of wire were examined for their mechanical and plastic properties before and after drawing; about 650 tests were carried out. During the series of investigations, about 2,000 measurements of radioactivity on 38,000 wire samples were made; the total length of all samples was 900 m. The majority of collected information confirmed, in general, the conclusions drawn by some foreign investigators, that the right combination of lubricants and increased rate of drawing, improves the quality of the products. The authors arrived at the following conclusions: a) Increased drawing rate of up to 2.5 m/sec for production of wire from carbon steel is appropriate and from the economical and technological point of view justified, because at these speeds there is no appreciable increase of die attrition. b) When drawing wires from low-carbon steel, lime coating and soap powder can be used as lubricant. c) For drawing wires from higher carbon steels phosphatic coating is advisable, because it reduces considerably the friction wear of draw dies, as compared with lime coating. d) For drawing wires of larger diameters and lime coating, FDG lubricant should be used. There are 11 tables, 11 figures, 3 photos and 5 references: 3 Soviet-bloc and 2 non-Soviet-bloc.

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Card 3/3

KUS, Leslaw, mgr. inz.

Device for the mechanical removal of scale from wires  
and rods. Mechanik 35 no.8:441-445 Ag '62.

1. Instytut Metalurgii Zelaza, Gliwice.

F

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ANALYSIS OF NATURAL GAS. Kug, H. (Jaliva (Finl.), 1961, vol. 31, p. 320-321; abstr. in Chem. Abstr., 1962, vol. 66, 51). In the rapid and accurate analysis of natural gas, carbon dioxide, methane, ethane, and  $\text{N}_2$  are determined volumetrically, and nitrogen gravimetrically by absorption with  $\text{PbO}_2$  or with kiln-dried (1000°) alumina. The analyzer consists of a burette,  $\text{PbO}_2$ , or with kiln-dried (1000°) alumina. The analyzer consists of a burette, 2 ml. flask containing KOH solution and alkaline pyrogallol, respectively and a combustion tube with a Pt filament held at white heat. About 30 c.c. of the dried gas is measured before and after a rubbing in KOH for carbon dioxide content, and after scrubbing in alkaline pyrogallol for  $\text{N}_2$ . Another sample is mixed with 100 c.c. of  $\text{O}_2$ , KOH scrubbed to remove carbon dioxide, and the sample turned by passage into the combustion tube at about 10 c.c. per min. The cooled gases are measured, scrubbed with KOH to determine the carbon dioxide formed by combustion, and then with pyrogallol to determine excess  $\text{O}_2$ . If no  $\text{O}_2$  remains, the complete combustion is indicated, and smaller sample should be taken. The ratio of methane to ethane is calculated from the amount of carbon dioxide formed in combustion. For slow burning mixtures, burn at dull red heat in a quartz tube, such as is used in the Hengel apparatus, to be recommended for combustion.

Kral, M.

"Substituting combustible gases and gas burners in the gas industry."  
Paliva, Praha, Vol 34, No 5, May 1954, p. 115

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

Kuš, M.

✓ 1080. CONVERSION TO NATURAL GAS FROM COAL GAS: EXPERIENCE IN  
CZECHOSLOVAKIA. Kuš, M. (Palivo (Fuel, Prague), Dec. 1955, vol. 35, 361-  
365; abstr. in Ass. techn. Industrie. Gaz France Circ. bibliogr., 15 Mar. 1956,  
(3), 20). Natural gas of calorific value 8,200 kcal/m<sup>3</sup> is distributed pure  
at a pressure of the order of 200 cm. Difficulties encountered and methods  
for overcoming them are described. (L).

KUS, Marian (Krakow, ul. Felicjanek 4/9)

Prevention of post-transfusion reactions with sandosten-calcium  
Sandoz preparation. Polski tygod. lek. 14 no.18:832-834 4 May 59.

1. (Z II Kliniki Poloznictwa i Chorob Kobiecych A. M. w Krakowie;  
kierownik: prof. dr med. M. Seidler).

(BLOOD TRANSFUSION, compl.

prev. with sandosten (Pol))

(ANTIHISTAMINICS, ther. use

sandosten in prev. of post-transfusion reactions  
(Pol))

KUS, S.

(GAZ WODA I TECHNIKA, SANITARNA, Vol. 27, No. 12, Dec. 1953, Warsaw, Poland)  
"Rotated, stressed, and asbestos-cement pipes." p. 354

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS. L.C., Vol. 3, No. 4, APRIL 1954

RUS, . .

"Anchoring Prestressed Cables", p. 11, (BUDNIYEV, V. V. 1955, Vol. 3, No. 12, December 1955, Warsaw, Poland)

SC: Monthly List of East European Acquisitions (EMI), 1955, Vol. 1, No. 3, March 1955, Urcl.

R&D S.

U.S.S.R.  
POLAND  
U.S.S.R.

3320 024.21.023.991.57; 653.952.3; 624.041.62  
Kuf S., Zieliński J. The Testing of Bridge Girders Post-Stressed  
by Cables.

"Badanie kablobetonowego dźwigara mostowego". Inżynieria i Budownictwo, No. 5, 1954, pp. 132-141, 17 figs, 2 tabs.

The experimental girder was made as a full-scale model of a part of the slab of the first concrete bridge post-stressed by cables built in Poland and of a theoretical span of 12.6 metres. The strength of the concrete amounted to 400 kg per sq. cm., and the water-cement ratio - to 0.318. The experiments were followed by a comparison between the values of the bending moments experimentally obtained, those theoretically computed, and those actually occurring in the construction. It was found that Prof. Michaloff's formula determined with considerable accuracy the moment of fissure; also that formulae adopted in the U.S.S.R. achieve maximum accuracy for determining the breaking moment; the values in Prof. Magiel's formula are lower than those actually met with in practice, whereas those in the FMPA formula are too high.

KUS, ST.

"Preliminary unstressed construction." p. 376. (INZINERIA I BUDOWNICTWO  
Vol. 11, No. 12, Dec. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4, No. 4.  
April 1955. Uncl.

Kuś, S.

✓220

EGS 982.3 : 034 6244 : 725 861

Kuś S., Zieliński Z. The Post-tensioned Structure of the Warsaw Ice-Ring Grand Stand.

„Konstrukcja sprężona trybun sztucznego lodowiska w Warszawie”.  
Inżynieria i Budownictwo. No. 1, 1955, pp. 8-12, 14 figs.

This article describes concrete girders posttensioned by cables constructed as cantilevers for the canopy over a grand stand. The span of the girders is 21 m and cantilevering 12 m. The upper booms of the girders curve parabolically. The pans of the canopy are placed on the lower straight booms. A description is included of the difficulties encountered in bending the posttensioning cables in the upper booms of the girders, together with a number of statistical considerations, formulas and diagrams defining the stresses arising and bending moments throughout the girder construction.

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4210

624.072.2.001.4 : 620.173 : 866.902.3 : 723.801

Zieliński Z., Kuś S., Jarosz T. Testing Concrete Girders Poststressed by Cables for the Canopy over the Warsaw Ice-Ring Grand Stand.

"Badanie dźwigarów betonowych przykrycia trybun sztucznego lodowiska w Warszawie". Inżynieria i Budownictwo, No. 1, 1955, pp. 19-25, 18 figs., 4 tabs.

Tests were made of the elasticity, load carrying capacity, and behaviour of girders during tensioning, transportation and lifting. The capacity properties of the girders as calculated were discussed and the tests described. The deformation was measured during tensioning of two chosen girders and the tabulated deformation values are given here. It was found that the frictional resistance on the bends caused a very considerable loss in the force of tension, and if the cables were tensioned at one end only, the tension at the other would be only one half of what had been anticipated. Thus, tensioning both ends was found to be necessary. In the course of elasticity tests the curve of deflections was plotted. The forming of cracks during the tests revealed that the safety factor was smaller than anticipated in the design, a phenomenon principally due to the friction losses on the bends as mentioned above. In order to raise the safety factor for crack formation to at least 1.3 it was decided to increase the tension. In resistance tests failure occurred when the load was 4050 kg/m in two girders at the cantilever, when the load was 5075 kg/m in two girders in the span and when the load was 1200 kg/m at the very end of the cantilever. The deflection of cantilever ends just before failure was approx. unity 60 cm, i.e. approximately  $\frac{1}{190}$  of the cantilever length. The safety factor for breaking was 2 which corresponded to calculations.